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(54) Title: SEQUENCE DETERMINATION OF NUCLEIC ACIDS USING ELECTRONIC DETECTION

(57) Abstract: The present invention is directed to methods and compositions for the use of self-assembled monolayers to electronically detect nucleic acids, particularly alterations such as nucleotide substitutions (mismatches) and single nucleotide polymorphisms (SNPs).

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 98 20162 A (GOZIN MICHAEL ;YU CHANGJUN (US); KAYYEM JON F (US); CLINICAL MICRO) 14 May 1998 (1998-05-14)	1-7, 32-36, 39-42
Y	page 51, line 34 -page 54, line 6; claims 1-24	8-31, 37, 38
Y	WO 98 57159 A (CLINICAL MICRO SENSORS INC) 17 December 1998 (1998-12-17) the whole document	8-31, 37, 38
Y	WO 98 31839 A (HARVARD COLLEGE) 23 July 1998 (1998-07-23)	8-31, 37, 38
X	claims 1-38; figures 8-12	32-36
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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